

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
690 Walnut Ave.St. 150  
Vallejo, CA 94592-1133  
(707) 649-5453  
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:** Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-020086**Date Inspected:** 25-Jan-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Xu tao**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG Components**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector, S.Chandrakumar was present during the times noted above for observations relative to the work being performed.

BAY#19

SMAW welding of critical repair (R7) weld is identified as 2G-005 of SB022-106 for SB106 West. The welder is identified as 037997. ZPMC QC is identified as Mr.Xu tao. The welding variables recorded by QC are appeared to comply with the WPS-345-SMAW-2G-Repair and CWR-2727.

SMAW welding of critical repair (R6) weld is identified as 2G-005 of SB023-106 for SB106 East. The welder is identified as 037997. ZPMC QC is identified as Mr.Xu tao. The welding variables recorded by QC are appeared to comply with the WPS-345-SMAW-2G-Repair and CWR-2747.

SMAW welding of critical repair (R4) weld is identified as 1G-014 of SB024-108 for SB108 West. The welder is identified as 259566. ZPMC QC is identified as Mr.Xu tao. The welding variables recorded by QC are appeared to comply with the WPS-345-SMAW-1G-Repair and CWR-2732.

ABF QC NDT MT personnel performing Step2 MT on SB104 West is in progress.

ABF QC NDT MT personnel performing Step1 and Step2 MT on SB108 East is in progress.

This QA inspector performed MT 15% of weld areas previously tested and accepted by ZPMC Quality Control personnel. This QA inspector generated an MT report for this date. The members are identified as OBG suspender

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# WELDING INSPECTION REPORT

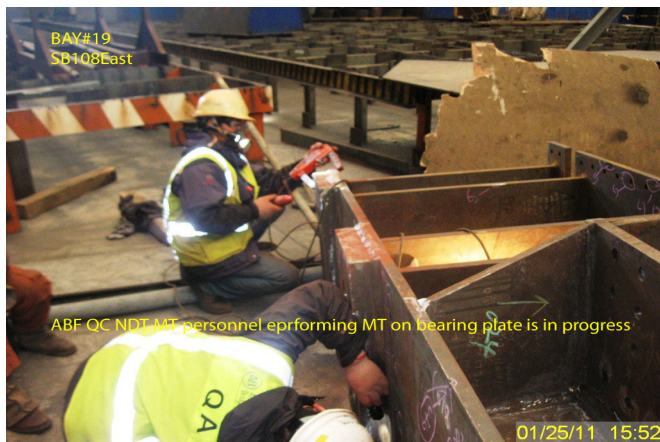
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bracket. The weld designations reviewed as follows  
SB022-104-002,004,005,006,029,039,025,035,015,

This QA inspector performed UT 10% of weld areas previously tested and accepted by ZPMC Quality Control personnel. This QA inspector generated an UT report for this date. The members are identified as OBG suspender bracket. The weld designations reviewed as follows.  
SB025-108-043,014,022,032,024,026,018

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.



## Summary of Conversations:

No relevant Conversation.

## Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang-15--0042-2372, who represents the Office of Structural Materials for your project.

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## WELDING INSPECTION REPORT

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**Inspected By:** Kumar,Chadra

Quality Assurance Inspector

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**Reviewed By:** Patel,Hiranch

QA Reviewer